2380-46 P09245

RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

n & Vanderhye P.C. (12/95) IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ny name, and I believe As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Method, Arrangement and Apparatus for Telecommunications

l ico		applicable box(s)) :	,						
	attached hereto	March 10, 1000	as U.S. Application Serial No.	09/272,621	(Atty Dkt. No. 2380-46)				
	s filed on s filed as PCT Internation	March 19, 1999	as 0.5. Application Senai No.	on	(Alty Dkt. 140. 2380-40)				
		pplication) was amended on							
and (ii ap	plicable to 0.5. of 1 CT a	pplication) was amended on							
amendme 37 C.F.R. below and priority is Priority Fo	ent referred to above. I a 1.56. I hereby claim for d have also identified bel	cknowledge the duty to disclose eign priority benefits under 35	Country	the patentability of the lication(s) for patent	nis application in accordance with or inventor's certificate listed e that of the application on which Day/Month/Year Filed				
FI 980638	3	· · · · · · · · · · · · · · · · · · ·	Finland		20 March 1998				
Applicati 60/107,65	on Number 51		States provisional application(s) li Date/Month/Year Filed November 9, 1998		bove or below and, insofar as the				
I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:									
	JPCT Application(s):	•			Status: patented				
Applicati	on Serial No.		Day/Month/Year Filed		pending, abandoned				
be true: a	nd further that these stat	ements were made with the kn	vledge are true and that all statem owledge that willful false statemer ed States Code and that such willf	nts and the like so m ul false statements r	ade are punishable by fine or may jeopardize the validity of the				
applicatio 22201-47 address) connected 30184; Rd Spooner, Thomas E	n or any patent issued the 14, telephone number (individually and collective therewith and with the lobert W. Faris, 31352; R 27393; Leonard C. Mitcher, 32205; Mary J.	ereon. And I hereby appoint N. (703) 816-4000 (to whom all cally my attorneys to prosecute the sulting patent: Arthur R. Cranichard G. Besha, 22770; Mark hard, 29009; Duane M. Byers, Wilson, 32955; J. Scott Davids	ommunications are to be directed is application and to transact all by ford, 25327; Larry S. Nixon, 2564 E. Nusbaum, 32348; Michael J. Keisan, 33489; Alan M. Kagen, 36178 (7334; Michael J. Shea, 34725; Dominication of the control o	North Glebe Rd., 8 ed), and the followin pusiness in the Pater 10; Robert A. Vande penan, 32106; Bryar hin R. Lastova, 3314 t; William J. Griffin, 3 pnald L. Jackson, 41 Date: DRIKKA (last)	g attorneys thereof (of the same nt and Trademark Office rhye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2. 7. 1799 Finnish (citizenship)				
applicatio 22201-47 address) connected 30184; Ro Spooner, Thomas E B. J. Sadd	n or any patent issued the 14, telephone number (individually and collective dependent with the lobert W. Faris, 31352; R. 27393; Leonard C. Mitchelbert W. Faris, 31352; R. 27393; Leonard C. Mitchelbert W. Faris, 31352; R. 27393; Leonard C. Mitchelbert Mitchelbert Mitchelbert G. Mitchelbert Mitchelbert G.	rereon. And I hereby appoint N. (703) 816-4000 (to whom all celly my attorneys to prosecute tresulting patent: Arthur R. Cratichard G. Besha, 22770; Mark hard, 29009; Duane M. Byers, Wilson, 32955; J. Scott Davids quist, 34776; Updeep S. Gill, 3 Tapani Aleksi (first) Espoo Ristiniementie 30 D 13, FIN	MIXON & VANDERHYE P.C., 1100 ommunications are to be directed in a application and to transact all be wired, 25327; Larry S. Nixon, 2564 E. Nusbaum, 32348; Michael J. Keisas, 3348; Alan M. Kagen, 36178 7334; Michael J. Shea, 34725; Do	North Glebe Rd., 8 ed), and the followin business in the Patel 10; Robert A. Vande eenan, 32106; Bryar shn R. Lastova, 3314 t; William J. Griffin, 3 onald L. Jackson, 41 Date: DRIKKA (last) Finland Date:	g attorneys thereof (of the same nt and Trademark Office rhye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2, 7, 1799 Finnish (citizenship)				
applicatio 22201-47 address) connected 30184; Ro Spooner, Thomas E B. J. Sadd	n or any patent issued the 14, telephone number (individually and collective difference) therewith and with the lobert W. Faris, 31352; R 27393; Leonard C. Mitch E. Byrne, 32205; Mary J. off, 36663; James D. Bell Inventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code)	rereon. And I hereby appoint No. 703) 816-4000 (to whom all celly my attorneys to prosecute the resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark (ard, 29009; Duane M. Byers, 2000) Wilson, 32955; J. Scott Davids (quist, 34776; Updeep S. Gill, 300) Tapani Aleksi (first) Espoo Ristiniementie 30 D 13, FIN	MIXON & VANDERHYE P.C., 1100 ommunications are to be directed in application and to transact all by ford, 25327; Larry S. Nixon, 2564 E. Nusbaum, 32348; Michael J. Keisas, 3348; Hishael J. Keison, 33489; Alan M. Kagen, 36178 (7334; Michael J. Shea, 34725; Dominication of the communication of the commun	North Glebe Rd., 8 ed), and the followin business in the Patel 10; Robert A. Vande eenan, 32106; Bryar shn R. Lastova, 3314 ;; William J. Griffin, 3 onald L. Jackson, 41 Date: DRIKKA (last) Finland Date: Date:	g attorneys thereof (of the same and Trademark Office thye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2. 7. 1799 Finnish (citizenship)				
applicatio 22201-47 address) connected 30184; Ro Spooner, Thomas E B. J. Sadd	n or any patent issued the 14, telephone number (individually and collective determined the pobert W. Faris, 31352; R 27393; Leonard C. Mitch E. Byrne, 32205; Mary J. off, 36663; James D. Berlinventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor's Signature: (Zip Code)	rereon. And I hereby appoint No. 703) 816-4000 (to whom all colly my attorneys to prosecute the resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark (ard, 29009; Duane M. Byers, 2000) Wilson, 32955; J. Scott Davids (quist, 34776; Updeep S. Gill, 300) Tapani Aleksi (first) Espoo Ristiniementie 30 D 13, FIN Niko (first)	MIXON & VANDERHYE P.C., 1100 ommunications are to be directed in a pplication and to transact all by Mord, 25327; Larry S. Nixon, 2564 E. Nusbaum, 32348; Michael J. Keisan, 33483; Jeffry H. Nelson, 30481; Joson, 33489; Alan M. Kagen, 36178, 17334; Michael J. Shea, 34725; Dominication of the more state of the state of the more state of the more state of the state of the more state of the state	North Glebe Rd., 8 ed), and the followin business in the Patel 10; Robert A. Vande eenan, 32106; Bryar shn R. Lastova, 3314 t; William J. Griffin, 3 onald L. Jackson, 41 Date: DRIKKA (last) Date: TYNI (last)	g attorneys thereof (of the same nt and Trademark Office rhye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2, 7, 1799 Finnish (citizenship)				
applicatio 22201-47 address) connected 30184; Ro Spooner, Thomas E B. J. Sadd	n or any patent issued the 14, telephone number (individually and collective of therewith and with the obert W. Faris, 31352; R 27393; Leonard C. Mitch E. Byrne, 32205; Mary J. off, 36663; James D. Berlinventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor: Residence: (city) Residence: (city)	rereon. And I hereby appoint No. 703) 816-4000 (to whom all colly my attorneys to prosecute the resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark (ard, 29009; Duane M. Byers, 2000) Wilson, 32955; J. Scott Davids (quist, 34776; Updeep S. Gill, 300) Tapani Aleksi (first) Espoo Ristiniementie 30 D 13, FIN Niko (first) Helsinki	MI (state/country	North Glebe Rd., 8 ed), and the followin business in the Patel 10; Robert A. Vande eenan, 32106; Bryar shn R. Lastova, 3314 t; William J. Griffin, 3 onald L. Jackson, 41 Date: DRIKKA (last) Date: TYNI (last)	g attorneys thereof (of the same and Trademark Office thye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2. 7. 1799 Finnish (citizenship)				
applicatio 22201-47 address) connected 30184; Ro Spooner, Thomas E B. J. Sadd	n or any patent issued the 14, telephone number (individually and collective determined the pobert W. Faris, 31352; R 27393; Leonard C. Mitch E. Byrne, 32205; Mary J. off, 36663; James D. Berlinventor's Signature: Inventor: Residence: (city) Post Office Address: (Zip Code) Inventor's Signature: Inventor's Signature: (Zip Code)	rereon. And I hereby appoint No. 703) 816-4000 (to whom all colly my attorneys to prosecute the resulting patent: Arthur R. Cratichard G. Besha, 22770; Mark (ard, 29009; Duane M. Byers, 2000) Wilson, 32955; J. Scott Davids (quist, 34776; Updeep S. Gill, 300) Tapani Aleksi (first) Espoo Ristiniementie 30 D 13, FIN Niko (first)	MI (state/country	North Glebe Rd., 8 ed), and the followin business in the Patel 10; Robert A. Vande eenan, 32106; Bryar shn R. Lastova, 3314 t; William J. Griffin, 3 onald L. Jackson, 41 Date: DRIKKA (last) Date: TYNI (last)	g attorneys thereof (of the same and Trademark Office thye, 27076; James T. Hosmer, H. Davidson, 30251; Stanley C. 19; H. Warren Burnam, Jr. 29366; 11260; Robert A. Molan, 29834; 090; Michelle N. Lester, 32331.* 2. 7. 1799 Finnish (citizenship)				

FOR ADDITIONAL INVENTORS, check box 🛛 and attach sheet with same information and signature and date for each.

Page 2

RULE 63 (37 C.F.R. 1.63)

DECLARATION AND POWER OF ATTORNEY

Nixon & Vanderhye P.C. (12/95)

FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

3.	Inventor's Signature:		20V 4(3E	the P	Date:	- P1(3414	
	Inventor:	Jan (first)	MI	WGUND HAGLAN	TD .		Swedish (citizenship)	
	Residence: (city)	Stockholm		(state/country) S	weden		(- 17	
	Post Office Address:							
	(Zip Code)	Soubbanger	الح الملا .	South 122				
				, ,	D-4	D. 1	1999	
4.	Inventor's Signature:	1111111			Date:	749 L	////-	
	Inventor:	Peter Carl Birger	5.41	LUNDH	3	0	Swedish	
	Desidence (site)	(first)	MI	(last)			(citizenship)	
	Residence: (city)	Skärholmen	- 407 04 OL " 1 - l	`	weden			
	Post Office Address: (Zip Code)	Eksätravägen 218, S	E-127 61, Skarnoime	n, Sweden				
5	Inventor's Signature:	Llæ	en ~ The		Date:	Hurns	1-9,1990	c_{j}
J.	Inventor:	Carl Magnus	-000 · -	THORNBE			Swedish	
	mventor.	(first)	МІ	(last)		•	(citizenship)	
	Residence: (city)	Tokyo 5 co	cksund.	(state/country)	ipan- S	weden		
	Post Office Address:	Hermet Cethay 702, 3-4-34 Motoazabu, Minato-ku, Tokye, Japan						
	(Zip Code)	106=		Faltvägen	11 1	8273	2 locks	ure
6. ·	Inventor's Signature:	Kani	Lehton	0	Date:	2.7.	1999	
	Inventor:	Kari Antero		LEHTO			Finnish	
		(first)	MI	(last)			(citizenship)	
	Residence: (city)	Helsinki	<u></u>	(state/country) Fi	nland			
	Post Office Address:	Isokaari 46 A 6, FIN-0	0200, Helsinki, Finla	ind				
	(Zip Code)							
7.	Inventor's Signature:	Ato chale	2000		Date:	19.7,	1999	
	Inventor:	Arto Juhani		MAHKON	EN		Finnish	
		(first)	MI	(la <u>st)</u>			(citizenship)	
	Residence: (city)	Helsinki		(state/country) Fi	nland			
	Post Office Address:	Rohdinkuja 6, FIN-00	950, Helsinki, Finlan	d				
	(Zip Code)							

 $\textbf{FOR ADDITIONAL INVENTORS, check box } \quad \square \ \, \text{and attach sheet with same information and signature and date for each.}$

